

## **AUTODISCOVERY AND SELF CONFIGURATION OF CUSTOMER PREMISE EQUIPMENT**

### **ABSTRACT**

A service/device discovery protocol which allows a customer premise device (CPD) to automatically discover other CPDs sharing common service related characteristics, and techniques for self-configuration of the service are described. For example, when a new customer site or CPD is to be added to an existing shared service, the service discovery protocol allows a CPD at the new customer site to automatically discover the other customer sites and/or CPDs associated with the existing shared service. The self-configuration techniques allow the new CPD to automatically configure itself as a member of the shared service, and also allow the existing CPDs to update their service configuration information to include the new customer site and/or CPD.